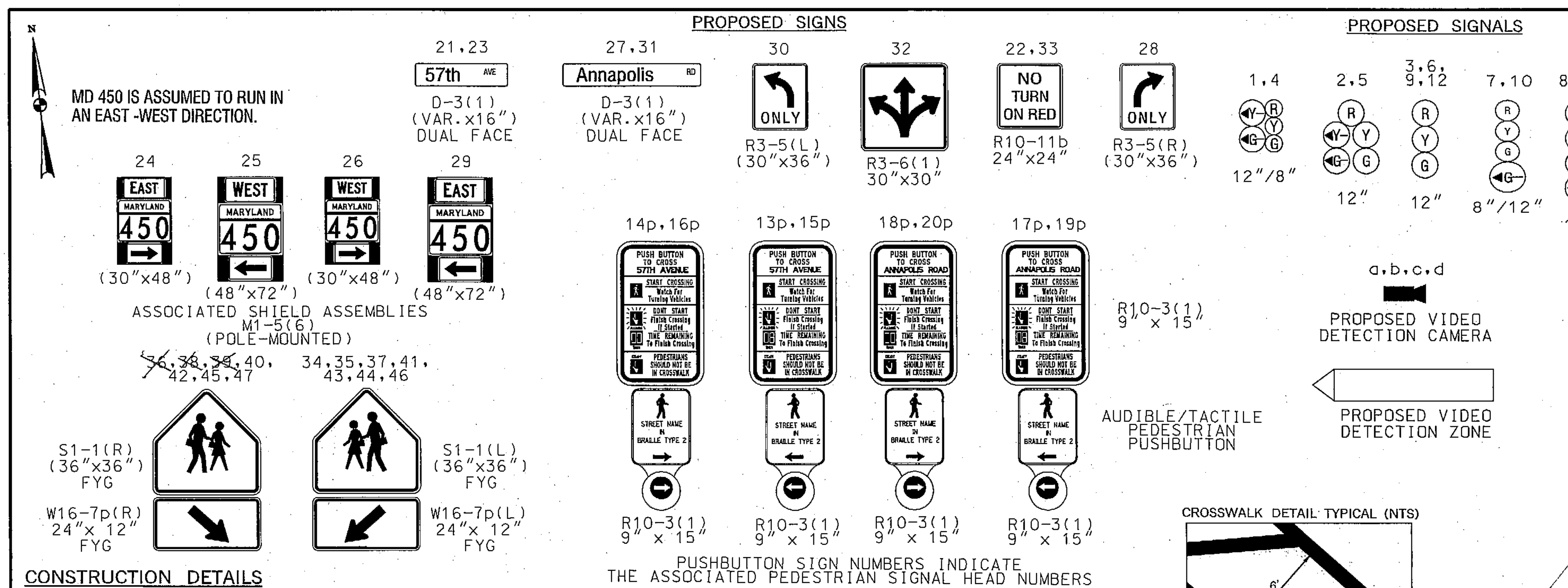
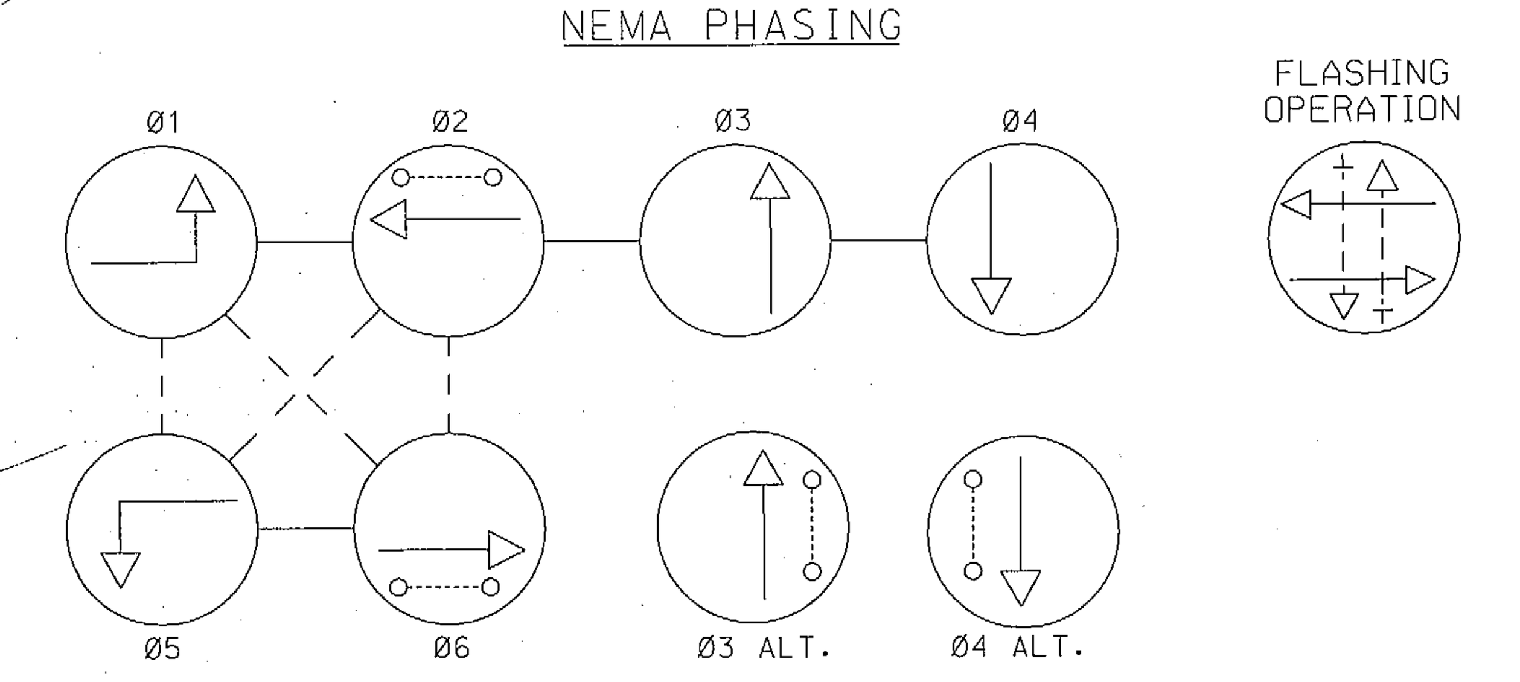




PHASING NOTES:
1.) PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY
2.) PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY

CONSTRUCTION DETAILS

A. INSTALL NEMA "S" - TYPE BASE-MOUNTED CABINET AND CONTROLLER WITH ALL NECESSARY EQUIPMENT.

B. INSTALL EMBEDDED METERED SERVICE PEDESTAL, AND 50' OF 1-CONDUCTOR NO. 2 AWG/THHN CABLE. THE CABLE SHALL BE PULLED THROUGH 4" SCHEDULE 80 RIGID PVC CONDUIT TO THE BASE OF THE PEPCO UTILITY POLE (#823402-580) PROVIDE 1' STUB AND COIL THE CABLE UNTIL THE INSTALLATION OF THE SERVICE.

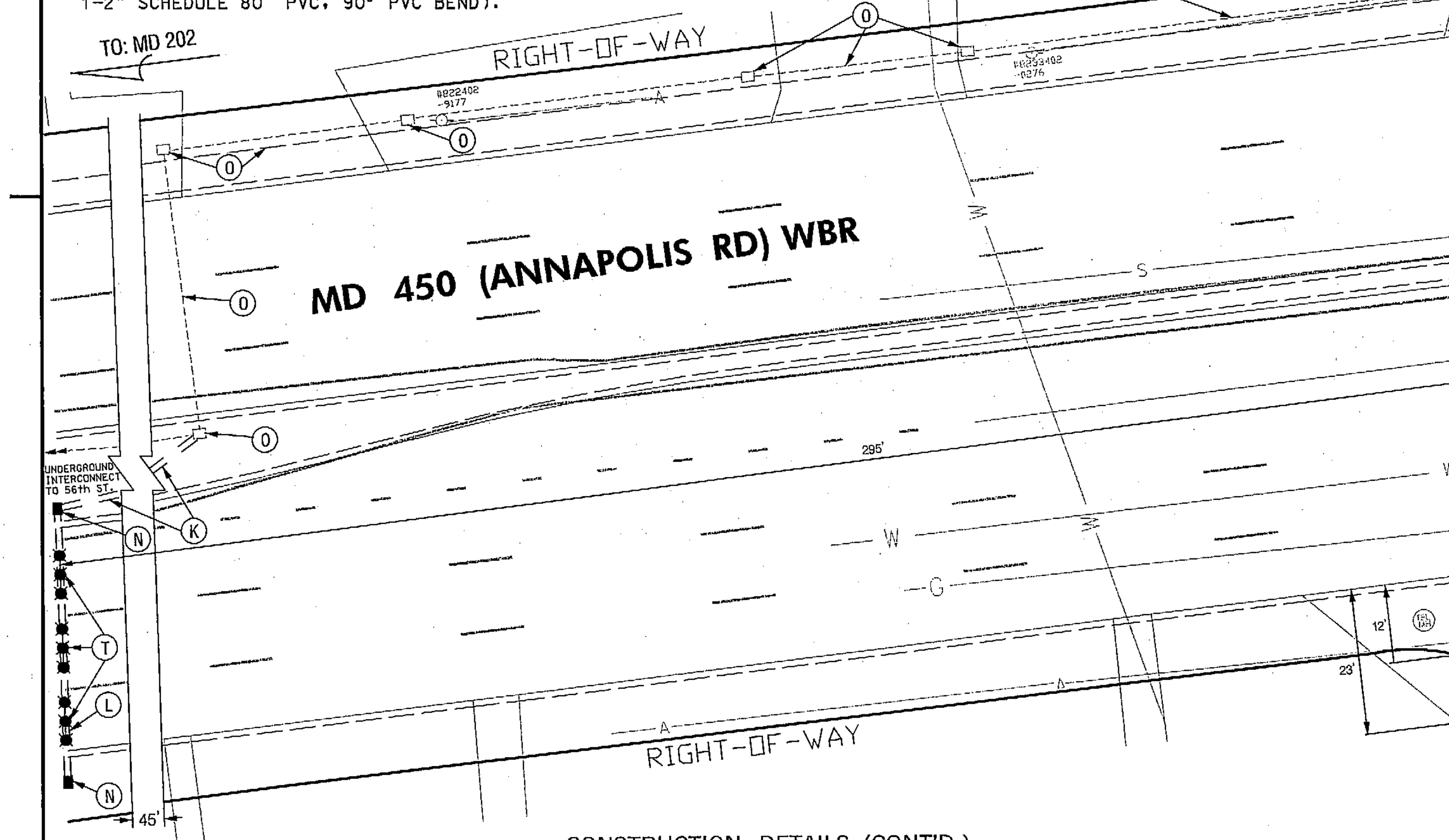
C. INSTALL 27' STEEL POLE WITH SHIELD ASSEMBLIES AND WITH 50' SPECIAL"T" MAST ARM, LED TRAFFIC SIGNAL HEADS, 15' LIGHTING ARM WITH 250 WATT HPS LUMINAIRE, VIDEO DETECTION CAMERA AND SIGN (NOTE: 1-3" SCHEDULE 80 PVC, 90°PVC BEND).

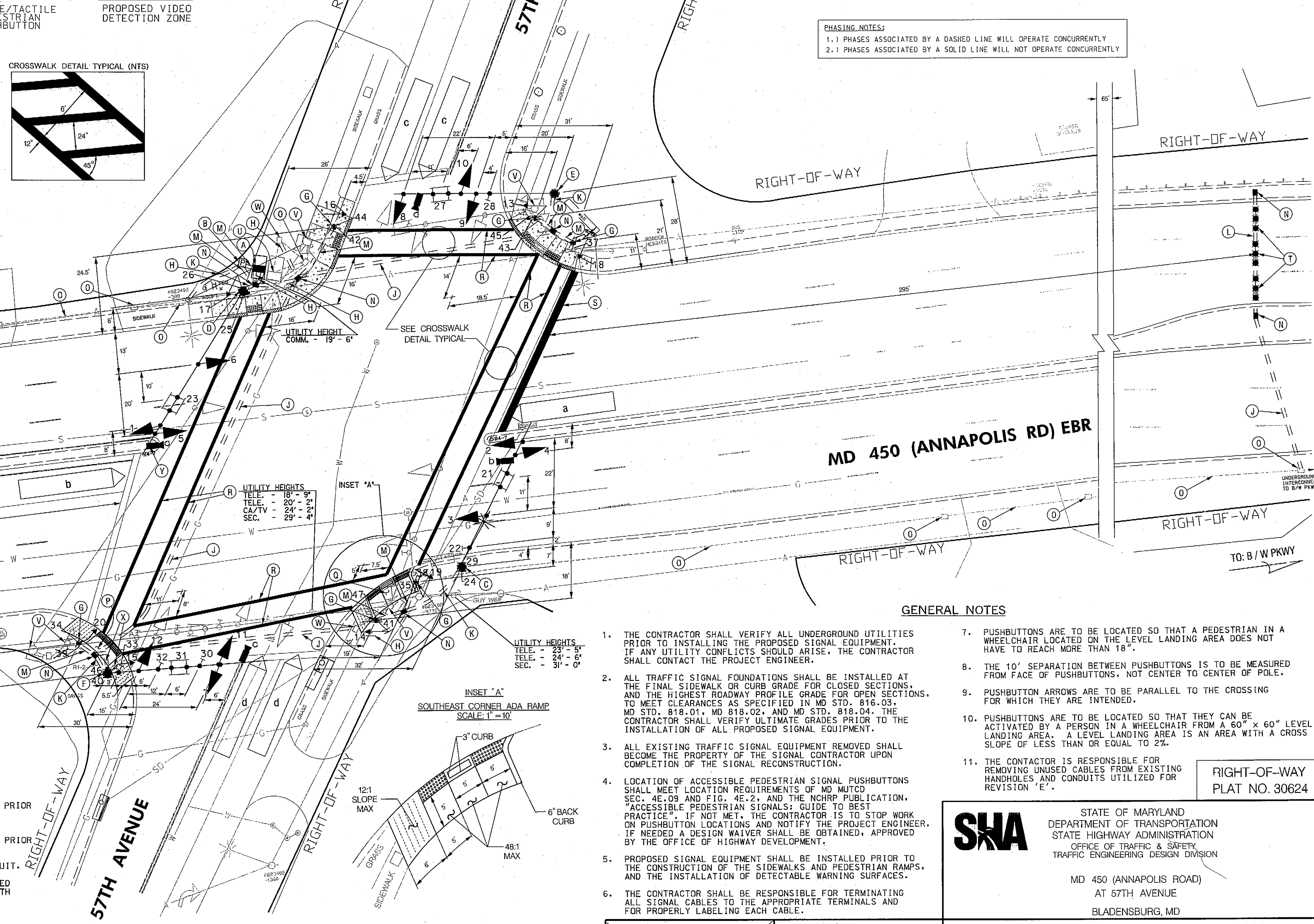
D. INSTALL STEEL POLE WITH SHIELD ASSEMBLIES AND WITH 60' SPECIAL "T" MAST ARM, LED TRAFFIC SIGNAL HEADS, VIDEO DETECTION CAMERA, SIGN, LED COUNTDOWN PEDESTRIAN SIGNAL HEAD AND AUDIBLE/TACTILE PUSHBUTTON STATION (NOTE: 1-3" SCHEDULE 80 PVC, 90°PVC BEND).

E. INSTALL STEEL POLE WITH 50' SPECIAL "T" MAST ARM, LED TRAFFIC SIGNAL HEADS AND VIDEO DETECTION CAMERA AND SIGN (NOTE: 1-3" SCHEDULE 80 PVC, 90°PVC BEND).

F. INSTALL STEEL POLE WITH S1-1 AND W16-7p SIGNS, AND WITH 50' SPECIAL "T" MAST ARM, LED TRAFFIC SIGNAL HEADS, VIDEO DETECTION CAMERA, SIGN, LED COUNTDOWN PEDESTRIAN SIGNAL HEAD AND AUDIBLE/TACTILE PUSHBUTTON STATION (NOTE: 1-3" SCHEDULE 80 PVC, 90°PVC BEND).

G. INSTALL 10' PEDESTAL POLE WITH BREAKAWAY COUPLING, LED COUNTDOWN PEDESTRIAN SIGNAL HEADS, S1-1 AND W16-7p SIGNS AND AUDIBLE/TACTILE PUSHBUTTON STATION (NOTE: 18"x36" FOUNDATION AND 1-2" SCHEDULE 80 PVC, 90° PVC BEND).





CONSTRUCTION DETAILS (CONT'D.)

H. INSTALL 4" SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED.

J. INSTALL 4" SCHEDULE 80 RIGID PVC CONDUIT - SLOTTED.

K. INSTALL 3" SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED.

L. INSTALL 3" SCHEDULE 80 RIGID PVC CONDUIT - SLOTTED.

M. INSTALL 2" SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED.

N. INSTALL ELECTRICAL HANDHOLE.

O. USE EXISTING HANDHOLE AND/OR CONDUIT.

P. INSTALL PEDESTRIAN RAMP (TYPE, MD STD. 655.12) WITH DETECTABLE WARNING SURFACE (MD STD. 655.40).

Q. INSTALL PEDESTRIAN RAMP WITH DETECTABLE WARNING SURFACE (MD STD. 655.40). (SEE INSET "A")

R. INSTALL 12" WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINES FOR CROSSWALK. CONDUIT INSTALLATION SHALL BE COMPLETED PRIOR TO THE INSTALLATION OF THE MARKINGS.

S. INSTALL 24" WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINES FOR CROSSWALK. CONDUIT INSTALLATION SHALL BE COMPLETED PRIOR TO THE INSTALLATION OF THE MARKINGS.

T. INSTALL PROPOSED NON-INVASIVE DETECTOR PROBES INSIDE 3" CONDUIT.

U. DISCONNECT EXISTING INTERCONNECT CABLE AND REROUTE TO PROPOSED CABINET. REMOVE EXISTING CONTROLLER CABINET AND EQUIPMENT WITH THE FOUNDATION REMOVED 12" BELOW GROUND GRADE.

V. REMOVE EXISTING SIGNAL STRUCTURE AND ATTACHED EQUIPMENT. REMOVE FOUNDATION 12" BELOW GROUND GRADE.

W. USE EXISTING HANDHOLE. DISCONNECT EXISTING INTERCONNECT CABLE FROM EXISTING CABINET AND PULL BACK TO THIS HANDHOLE. THEN REROUTE TO THE PROPOSED CABINET (SEE WIRING DIAGRAM SG-02).

X. REMOVE EXISTING GROUND-MOUNTED SIGN AND SUPPORT.

Y. REMOVE EXISTING S1-1 AND W16-7p SIGNS FROM EXISTING SIGN SUPPORT.

GEOMETRIC LEGEND

Symbol	Meaning
═══ ═══ ═	EXISTING
═══════	PROPOSED

UTILITY LEGEND

Symbol	Meaning
—SD—SD—	STORM DRAIN
—G—G—	GAS MAIN
—W—W—	WATER MAIN
—S—S—	SEWER MAIN
—E—E—	ELECTRIC CABLES
—A—A—	AERIAL CABLES
—T—T—	TELEPHONE CABLES
—F—F—	FIBER-OPTIC

BY: ebostic -

TOD NO: XX655-21
SHA NO: PG371B57
MD 450 @57th Avenue

GENERAL NOTES

1. THE CONTRACTOR SHALL VERIFY ALL UNDERGROUND UTILITIES PRIOR TO INSTALLING THE PROPOSED SIGNAL EQUIPMENT. IF ANY UTILITY CONFLICTS SHOULD ARISE, THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER.

2. ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT THE FINAL SIDEWALK OR CURB GRADE FOR CLOSED SECTIONS, AND THE HIGHEST ROADWAY PROFILE GRADE FOR OPEN SECTIONS, TO MEET CLEARANCES AS SPECIFIED IN MD STD. 816.03, MD STD. 818.01, MD 818.02, AND MD STD. 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL PROPOSED SIGNAL EQUIPMENT.

3. ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE SIGNAL RECONSTRUCTION.

4. LOCATION OF ACCESSIBLE PEDESTRIAN SIGNAL PUSHBUTTONS SHALL MEET LOCATION REQUIREMENTS OF MD MUTCD SEC. 4E.09 AND FIG. 4E.2, AND THE NCHRP PUBLICATION, "ACCESSIBLE PEDESTRIAN SIGNALS: GUIDE TO BEST PRACTICE". IF NOT MET, THE CONTRACTOR IS TO STOP WORK ON PUSHBUTTON LOCATIONS AND NOTIFY THE PROJECT ENGINEER. IF NEEDED A DESIGN WAIVER SHALL BE OBTAINED, APPROVED BY THE OFFICE OF HIGHWAY DEVELOPMENT.

5. PROPOSED SIGNAL EQUIPMENT SHALL BE INSTALLED PRIOR TO THE CONSTRUCTION OF THE SIDEWALKS AND PEDESTRIAN RAMPS, AND THE INSTALLATION OF DETECTABLE WARNING SURFACES.

6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLES TO THE APPROPRIATE TERMINALS AND FOR PROPERLY LABELING EACH CABLE.

7. PUSHBUTTONS ARE TO BE LOCATED SO THAT A PEDESTRIAN IN A WHEELCHAIR LOCATED ON THE LEVEL LANDING AREA DOES NOT HAVE TO REACH MORE THAN 18".

8. THE 10' SEPARATION BETWEEN PUSHBUTTONS IS TO BE MEASURED FROM FACE OF PUSHBUTTONS, NOT CENTER TO CENTER OF POLE.

9. PUSHBUTTON ARROWS ARE TO BE PARALLEL TO THE CROSSING FOR WHICH THEY ARE INTENDED.

10. PUSHBUTTONS ARE TO BE LOCATED SO THAT THEY CAN BE ACTIVATED BY A PERSON IN A WHEELCHAIR FROM A 60" x 60" LEVEL LANDING AREA. A LEVEL LANDING AREA IS AN AREA WITH A CROSS SLOPE OF LESS THAN OR EQUAL TO 2%.

11. THE CONTACTOR IS RESPONSIBLE FOR REMOVING UNUSED CABLES FROM EXISTING HANDHOLES AND CONDUITS UTILIZED FOR REVISION 'E'.

RIGHT-OF-WAY PLAT NO. 30624

CENTURY ENGINEERING
CONSULTING ENGINEERS - PLANNERS
10710 GILROY ROAD
HUNT VALLEY, MD 21031
REVISION 'E' PROJECT NO. 101195.56

APPROVALS
TEAM LEADER
ASST. DIV. CHIEF
DIVISION CHIEF
OFFICE DIRECTOR
ORIGINALS ON FILE

REVISIONS

E	SIGNAL RECONSTRUCTION TO MAST ARMS WITH APS AND CPS SHA NO: XX6555185 TIMS NO: K042				4/4/2012
JWA					
D	INSALLATION OF VIDEO DETECTION SHA# OT2007 TIMS# J655				1/2009
LM	JME				
C	SPLIT SIDE ROAD PHASING RECUT S/B CALLING LOOP SHA NO 855-25003				4/10/85
BT	DJD	DAZ	ETP	TH	

SHA
STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

MD 450 (ANNAPOLIS ROAD)
AT 57TH AVENUE
BLADENSBURG, MD

TRAFFIC SIGNALIZATION PLAN

SCALE 1" = 20' ADVERTISED DATE ______ CONTRACT NO. 8855-25003

DESIGNED BY BRUCE THOMPSON — COUNTY PRINCE GEORGE'S
DRAWN BY ELISABETH M. MILESKY — LOGMILE 16045001.31
CHECKED BY DJD — TIMS NO. ______
F.A.P. NO. ______ — TOD NO. ______

TS NO. 706E — DRAWING SG-01 OF 2 — SHEET NO. 1 OF 2

PLOTTED: Monday, May 07, 2012 AT 02:52 PM
FILE: S:\2010\Transportation\101195.56 MD 450 at 57th Ave\CADD\ACAD SheetSets\pSG-P001_MD450 at 57th AVE.dgn